Author Index

Abdel-Ghany, M., Osusky, M., Igarashi, Y., Hakomori, S., Shalloway, D. and Racker, R.
Substrate-specific modulation of *Src*-mediated phosphorylation of Ras and caseins by sphingosines and other substrate modulators (1137) 349

Ahlemeyer, B., Weintraut, H. and Schoner, W.
Cultured chick-embryo heart cells respond differently to ouabain as measured by the increase in their intracellular Na^+ concentration (1137) 135

Alevriadou, B.R., McIntire, L.V. and Lasslo, A.
Inhibition of platelet adhesion and thrombus formation on a collagen-coated surface by novel carbamoylpiperidine antiplatelet agents (1137) 279

Amuro, Y., see Ueki, N. (1137) 189

Anderson, G.M. and Horne, W.C.
Activators of protein kinase C decrease serotonin transport in human platelets (1137) 331

Baldini, P.M., Zannetti, A., Donchenko, V., Dini, L. and Luly, P.
Insulin effect on isolated rat hepatocytes: diacylglycerol — phosphatidic acid interrelationship (1137) 208

Ballen, K.K., see Kroll, M.H. (1137) 248

Bansal, M.K., see Colville, C.A. (1137) 264

Barisas, B.G., see Roess, D.A. (1137) 309

Ben-Naim, M., see Friedman, G. (1137) 237

Berry, M.N., see Gregory, R.B. (1137) 34

Bjerrum, O.W., see Dahlgren, C. (1137) 182

Blanquet, P.R., see Torriglia, A. (1137) 215

Borregaard, N., see Dahlgren, C. (1137) 182

Bybee, A. and Thomas, N.S.B.
The synthesis of $p58^{cyclin\ A}$ and the phosphorylation of $p34^{cdc2}$ are inhibited in human lymphoid cells arrested in G_1 by α-interferon (1137) 73

Caswell, A.M., Leong, W.S. and Russell, R.G.G.
Interleukin-1β enhances the response of human articular chondrocytes to extracellular ATP (1137) 52

Chen, D., see Steffensen, B. (1137) 95

Colville, C.A., Bansal, M.K., Phillips, J.H. and Van Heyningen, S.
The interaction of tetanus toxin with intact bovine adrenal chromaffin cells: binding of toxin and subsequent inhibition of catecholamine release (1137) 264

Dahlgren, C., Johansson, A., Lundqvist, H., Bjerrum, O.W. and Borregaard, N.
Activation of the oxygen-radical-generating system in granules of intact human neutrophils by a calcium ionophore (ionomycin) (1137) 182

Damjanovich, S., see Gáspár, Jr., R. (1137) 143

Dascal, N., see Singer-Lahat, D. (1137) 39

Dini, L., see Baldini, P.M. (1137) 208

Donchenko, V., see Baldini, P.M. (1137) 208

Ekblad, E.B.M., see Ličko, V. (1137) 19

Falasca, M., see Gáspár, Jr., R. (1137) 143

Fisher, A.B., see Zimmerman, U.-J.P. (1137) 127

Fransson, L.-Å., Karlsson, P. and Schmidtchen, A.
Effects of cycloheximide, brefeldin A, suramin, heparin and primaquine on proteoglycan and glycosaminoglycan biosynthesis in human embryonic skin fibroblasts (1137) 287

Friedman, G., Reshef, A., Ben-Naim, M., Leitersdorf, E., Stein, O. and Stein, Y.
Requlation of lipoprotein lipase by dibutyryl cAMP, cholera toxin, Hepes and heparin in F_1 heart-cell cultures (1137) 237

Gáspár, Jr., R., Krasznai, Z., Márián, T., Trón, L., Recchioni, R., Falasca, M., Moroni, F., Pieri, C. and Damjanovich, S.
Bretylium-induced voltage-gated sodium current in human lymphocytes (1137) 143

Gawaz, M., see Mayinger, P. (1137) 77

Goumakos, W., see Stojkovski, S. (1137) 155

Graier, W.F., see Groschner, K. (1137) 162

Grapengiesser, E., see Tengholm, A. (1137) 243

Gregory, R.B., Phillips, J.W. and Berry, M.N.
Reducing-equivalent transfer to the mitochondria during gluconeogenesis and ureogenesis in hepatocytes from rats of different thyroid status (1137) 34

Groschner, K., Graier, W.F. and Kukovetz, W.R.
Activation of a small-conductance Ca^{2+}-dependent K^+ channel contributes to bradykinin-induced stimulation of nitric oxide synthesis in pig aortic endothelial cells (1137) 162

Guerrin, M., Prats, H., Mazars, P. and Valette, A.
Antiproliferative effect of phorbol esters on MCF-7 human breast adenocarcinoma cells: relationship with enhanced expression of transforming growth-factor-β_1 (1137) 116

Gundelfinger, E.D. and Hess, N.
Nicotinic acetylcholine receptors of the central nervous system of *Drosophila* (1137) 299

Gylfe, E., see Tengholm, A. (1137) 243

Hada, T., see Ueki, N. (1137) 189

Hakomori, S., see Abdel-Ghany, M. (1137) 349

Halliday, D.A., McNeil, J.D. and Scicchitano, R.
Failure of tachykinins including substance P and its fragments to influence proteoglycan and protein synthesis in bovine chondrocytes in vitro (1137) 29

Hattori, M.-a. and Horiuchi, R.
Enhancement of ganglioside GM3 synthesis in okadaic-acid-treated granulosa cells (1137) 101

Hellman, B., see Tengholm, A. (1137) 243

Hengartner, C., see Thomassin, H. (1137) 171

Hess, N., see Gundelfinger, E.D. (1137) 299

Higashino, K., see Ueki, N. (1137) 189

Horiuchi, R., see Hattori, M.-a. (1137) 101

Horne, W.C., see Anderson, G.M. (1137) 331

Hradilek, A., see Vyoral, D. (1137) 148

Hrbolich, J.K., see Kroll, M.H. (1137) 248

Igarashi, Y., see Abdel-Ghany, M. (1137) 349

Ikeda, T., see Ueki, N. (1137) 189

Ishibashi, K., see Sasaki, S. (1137) 45

Ishii, A., see Miki, I. (1137) 107

Itagaki, K., see Singer-Lahat, D. (1137) 39

Iwagami, S., see Sawabe, Y. (1137) 274

Author Index

Abdel-Ghany, M., Osusky, M., Igarashi, Y., Hakomori, S., Shalloway, D. and Racker, R.
Substrate-specific modulation of *Src*-mediated phosphorylation of Ras and caseins by sphingosines and other substrate modulators (1137) 349

Ahlemeyer, B., Weintraut, H. and Schoner, W.
Cultured chick-embryo heart cells respond differently to ouabain as measured by the increase in their intracellular Na^+ concentration (1137) 135

Alevriadou, B.R., McIntire, L.V. and Lasslo, A.
Inhibition of platelet adhesion and thrombus formation on a collagen-coated surface by novel carbamoylpiperidine antiplatelet agents (1137) 279

Amuro, Y., see Ueki, N. (1137) 189

Anderson, G.M. and Horne, W.C.
Activators of protein kinase C decrease serotonin transport in human platelets (1137) 331

Baldini, P.M., Zannetti, A., Donchenko, V., Dini, L. and Luly, P.
Insulin effect on isolated rat hepatocytes: diacylglycerol — phosphatidic acid interrelationship (1137) 208

Ballen, K.K., see Kroll, M.H. (1137) 248

Bansal, M.K., see Colville, C.A. (1137) 264

Barisas, B.G., see Roess, D.A. (1137) 309

Ben-Naim, M., see Friedman, G. (1137) 237

Berry, M.N., see Gregory, R.B. (1137) 34

Bjerrum, O.W., see Dahlgren, C. (1137) 182

Blanquet, P.R., see Torriglia, A. (1137) 215

Borregaard, N., see Dahlgren, C. (1137) 182

Bybee, A. and Thomas, N.S.B.
The synthesis of $p58^{cyclin\ A}$ and the phosphorylation of $p34^{cdc2}$ are inhibited in human lymphoid cells arrested in G_1 by α-interferon (1137) 73

Caswell, A.M., Leong, W.S. and Russell, R.G.G.
Interleukin-1β enhances the response of human articular chondrocytes to extracellular ATP (1137) 52

Chen, D., see Steffensen, B. (1137) 95

Colville, C.A., Bansal, M.K., Phillips, J.H. and Van Heyningen, S.
The interaction of tetanus toxin with intact bovine adrenal chromaffin cells: binding of toxin and subsequent inhibition of catecholamine release (1137) 264

Dahlgren, C., Johansson, A., Lundqvist, H., Bjerrum, O.W. and Borregaard, N.
Activation of the oxygen-radical-generating system in granules of intact human neutrophils by a calcium ionophore (ionomycin) (1137) 182

Damjanovich, S., see Gáspár, Jr., R. (1137) 143

Dascal, N., see Singer-Lahat, D. (1137) 39

Dini, L., see Baldini, P.M. (1137) 208

Donchenko, V., see Baldini, P.M. (1137) 208

Ekblad, E.B.M., see Ličko, V. (1137) 19

Falasca, M., see Gáspár, Jr., R. (1137) 143

Fisher, A.B., see Zimmerman, U.-J.P. (1137) 127

Fransson, L.-Å., Karlsson, P. and Schmidtchen, A.
Effects of cycloheximide, brefeldin A, suramin, heparin and primaquine on proteoglycan and glycosaminoglycan biosynthesis in human embryonic skin fibroblasts (1137) 287

Friedman, G., Reshef, A., Ben-Naim, M., Leitersdorf, E., Stein, O. and Stein, Y.
Requlation of lipoprotein lipase by dibutyryl cAMP, cholera toxin, Hepes and heparin in F_1 heart-cell cultures (1137) 237

Gáspár, Jr., R., Krasznai, Z., Márián, T., Trón, L., Recchioni, R., Falasca, M., Moroni, F., Pieri, C. and Damjanovich, S.
Bretylium-induced voltage-gated sodium current in human lymphocytes (1137) 143

Gawaz, M., see Mayinger, P. (1137) 77

Goumakos, W., see Stojkovski, S. (1137) 155

Graier, W.F., see Groschner, K. (1137) 162

Grapengiesser, E., see Tengholm, A. (1137) 243

Gregory, R.B., Phillips, J.W. and Berry, M.N.
Reducing-equivalent transfer to the mitochondria during gluconeogenesis and ureogenesis in hepatocytes from rats of different thyroid status (1137) 34

Groschner, K., Graier, W.F. and Kukovetz, W.R.
Activation of a small-conductance Ca^{2+}-dependent K^+ channel contributes to bradykinin-induced stimulation of nitric oxide synthesis in pig aortic endothelial cells (1137) 162

Guerrin, M., Prats, H., Mazars, P. and Valette, A.
Antiproliferative effect of phorbol esters on MCF-7 human breast adenocarcinoma cells: relationship with enhanced expression of transforming growth-factor-β_1 (1137) 116

Gundelfinger, E.D. and Hess, N.
Nicotinic acetylcholine receptors of the central nervous system of *Drosophila* (1137) 299

Gylfe, E., see Tengholm, A. (1137) 243

Hada, T., see Ueki, N. (1137) 189

Hakomori, S., see Abdel-Ghany, M. (1137) 349

Halliday, D.A., McNeil, J.D. and Scicchitano, R.
Failure of tachykinins including substance P and its fragments to influence proteoglycan and protein synthesis in bovine chondrocytes in vitro (1137) 29

Hattori, M.-a. and Horiuchi, R.
Enhancement of ganglioside GM3 synthesis in okadaic-acid-treated granulosa cells (1137) 101

Hellman, B., see Tengholm, A. (1137) 243

Hengartner, C., see Thomassin, H. (1137) 171

Hess, N., see Gundelfinger, E.D. (1137) 299

Higashino, K., see Ueki, N. (1137) 189

Horiuchi, R., see Hattori, M.-a. (1137) 101

Horne, W.C., see Anderson, G.M. (1137) 331

Hradilek, A., see Vyoral, D. (1137) 148

Hrbolich, J.K., see Kroll, M.H. (1137) 248

Igarashi, Y., see Abdel-Ghany, M. (1137) 349

Ikeda, T., see Ueki, N. (1137) 189

Ishibashi, K., see Sasaki, S. (1137) 45

Ishii, A., see Miki, I. (1137) 107

Itagaki, K., see Singer-Lahat, D. (1137) 39

Iwagami, S., see Sawabe, Y. (1137) 274

Johansson, A., see Dahlgren, C. (1137) 182
Jordan, P., see Schiess, K. (1137) 82
Jung, S.M., see Moroi, M. (1137) 1

Karlsson, P., see Fransson, L.-Å. (1137) 287
Kaszkin, M., see Schiess, K. (1137) 82
Kemp, G.J., Polgreen, K.E. and Radda, G.K.
Skeletal muscle P_i transport and cellular [P_i] studied in L6 myoblasts and rabbit muscle-membrane vesicles (1137) 10
Kenny, N., see Roess, D.A. (1137) 309
Kimura, G., see Yoshida, H. (1137) 321
Kinoshita, T., see Shimokawa, M. (1137) 317
Kinzel, V., see Schiess, K. (1137) 82
Kirkland, J.B., see Thomassin, H. (1137) 171
Klebe, R.J., see Steffensen, B. (1137) 95
Koga, Y., see Yoshida, H. (1137) 321
Krasznai, Z., see Gáspár, Jr., R. (1137) 143
Kroll, M.H., Mendelsohn, M.E., Miller, J.L., Ballen, K.K., Hrbolich, J.K. and Schafer, A.I.
Monoclonal antibody AG-1 initiates platelet activation by a pathway dependent on glycoprotein IIb-IIIa and extracellular calcium (1137) 248
Kukovetz, W.R., see Groschner, K. (1137) 162

Lasslo, A., see Alevriadou, B.R. (1137) 279
Leitersdorf, E., see Friedman, G. (1137) 237
Leong, W.S., see Caswell, A.M. (1137) 52
Ličko, V. and Ekblad, E.B.M.
What dual-action agents reveal about acid secretion: a combined experimental and modeling analysis (1137) 19
Lotan, I., see Singer-Lahat, D. (1137) 39
Luly, P., see Baldini, P.M. (1137) 208
Lundqvist, H., see Dahlgren, C. (1137) 182

MacKintosh, C.
Regulation of spinach-leaf nitrate reductase by reversible phosphorylation (1137) 121
Magnuson, V.L., see Steffensen, B. (1137) 95
Márián, T., see Gáspár, Jr., R. (1137) 143
Marumo, F., see Sasaki, S. (1137) 45
Mathur, M., Satpathy, M. and Sachar, R.C.
Phytohormonal regulation of *S*-adenosylmethionine synthetase by gibberellic acid in wheat aleurones (1137) 338
Maurya, A.K., see Singh, S.V. (1137) 257
Mayinger, P. and Gawaz, M.
Photoaffinity labeling of integrin αIIbβ3 (glycoprotein IIb-IIIa) on intact platelets with 8-azido-[γ-^{32}P]ATP (1137) 77
Mazars, P., see Guerrin, M. (1137) 116
McClenaghan, N., see Tengholm, A. (1137) 243
McIntire, L.V., see Alevriadou, B.R. (1137) 279
McNeil, J.D., see Halliday, D.A. (1137) 29
Meckling-Gill, K.A., Yee, S.-P., Schrader, J.W. and Pawson, T.
A retrovirus encoding the v-*fps* protein-tyrosine kinase induces factor-independent growth and tumorigenicity in FDC-P1 cells (1137) 65
Ménard, L., see Thomassin, H. (1137) 171
Mendelsohn, M.E., see Kroll, M.H. (1137) 248
Messina, J.L.
Rapid regulation of albumin transcription by insulin and phorbol esters in rat hepatoma cells (1137) 225
Mian, A.M., see Singh, S.V. (1137) 257
Miki, I., Nonaka, H. and Ishii, A.
Characterization of thromboxane A_2/prostaglandin H_2 receptors and histamine H_1 receptors in cultured Guinea-pig tracheal smooth-muscle cells (1137) 107
Miller, J.L., see Kroll, M.H. (1137) 248
Moroi, M., Okuma, M. and Jung, S.M.
Platelet adhesion to collagen-coated wells: analysis of this complex process and a comparison with the adhesion to matrigel-coated wells (1137) 1
Moroni, F., see Gáspár, Jr., R. (1137) 143
Morton, D.J., see Richardson, B.A. (1137) 59

Nagai, T., see Sasaki, S. (1137) 45
Nakagomi, K., see Sawabe, Y. (1137) 274
Nakamura, K., see Yoshida, H. (1137) 321
Nakazato, M., see Ueki, N. (1137) 189
Nakazawa, H., see Sawabe, Y. (1137) 274
Neuwirt, J., see Vyoral, D. (1137) 148
Nomoto, K., see Yoshida, H. (1137) 321
Nonaka, H., see Miki, I. (1137) 107

Ohkawa, T., see Ueki, N. (1137) 189
Okuma, M., see Moroi, M. (1137) 1
Osusky, M., see Abdel-Ghany, M. (1137) 349

Pawson, T., see Meckling-Gill, K.A. (1137) 65
Petersen, O.H., see Tepikin, A.V. (1137) 197
Phillips, J.H., see Colville, C.A. (1137) 264
Phillips, J.W., see Gregory, R.B. (1137) 34
Pieri, C., see Gáspár, Jr., R. (1137) 143
Poirier, G.G., see Thomassin, H. (1137) 171
Polgreen, K.E., see Kemp, G.J. (1137) 10
Potempa, C.L., see Steffensen, B. (1137) 95
Prats, H., see Guerrin, M. (1137) 116

Racker, R., see Abdel-Ghany, M. (1137) 349
Radda, G.K., see Kemp, G.J. (1137) 10
Rahman, N.A., see Roess, D.A. (1137) 309
Recchioni, R., see Gáspár, Jr., R. (1137) 143
Reiter, R.J., see Richardson, B.A. (1137) 59
Reshef, A., see Friedman, G. (1137) 237
Richardson, B.A., Yaga, K., Reiter, R.J. and Morton, D.J.
Pulsed static magnetic field effects on in-vitro pineal indoleamine metabolism (1137) 59
Roess, D.A., Rahman, N.A., Kenny, N. and Barisas, B.G.
Molecular dynamics of luteinizing hormone receptors on rat luteal cells (1137) 309
Russell, R.G.G., see Caswell, A.M. (1137) 52

Sachar, R.C., see Mathur, M. (1137) 338
Sakuma, M., see Yamada, J. (1137) 231
Sarkar, B., see Stojkovski, S. (1137) 155
Sasaki, S., Ishibashi, K., Nagai, T. and Marumo, F.
Regulation mechanisms of intracellular pH of *Xenopus laevis* oocyte (1137) 45
Satpathy, M., see Mathur, M. (1137) 338
Sawabe, Y., Nakagomi, K., Iwagami, S., Suzuki, S. and Nakazawa, H.
Inhibitory effects of pectic substances on activated hyaluronidase and histamine release from mast cells (1137) 274
Schafer, A.I., see Kroll, M.H. (1137) 248
Schiess, K., Kaszkin, M., Jordan, P., Seidler, L. and Kinzel, V.
Mobilization of diacylglycerol in intact HeLa cells by exogenous phospholipase C from *Cl. perfringens* is accompanied by release of fatty acids including arachidonic acid (1137) 82
Schmidtchen, A., see Fransson, L.-Å. (1137) 287
Schoner, W., see Ahlemeyer, B. (1137) 135
Schrader, J.W., see Meckling-Gill, K.A. (1137) 65
Schwartz, A., see Singer-Lahat, D. (1137) 39
Scicchitano, R., see Halliday, D.A. (1137) 29

Seidler, L., see Schiess, K. (1137) 82
Shalloway, D., see Abdel-Ghany, M. (1137) 349
Shimokawa, M., Urano, T. and Kinoshita, T.
trans-5-Prostaglandin E_2 stimulates plasminogen activation by tissue-type plasminogen activator (1137) 317
Singer-Lahat, D., Lotan, I., Itagaki, K., Schwartz, A. and Dascal, N.
Evidence for the existence of RNA of Ca^{2+}-channel α_2/δ subunit in *Xenopus* oocytes (1137) 39
Singh, S.V., Xu, B.H., Maurya, A.K. and Mian, A.M.
Modulation of mitomycin C resistance by glutathione transferase inhibitor ethacrynic acid (1137) 257
Speicher, D.W., see Zimmerman, U.-J.P. (1137) 127
Steffensen, B., Magnuson, V.L., Potempa, C.L., Chen, D. and Klebe, R.J.
α_5 Integrin subunit expression changes during myogenesis (1137) 95
Stein, O., see Friedman, G. (1137) 237
Stein, Y., see Friedman, G. (1137) 237
Stojkovski, S., Goumakos, W. and Sarkar, B.
Iron(III)-binding polypeptide in human cord and adult serum: isolation, purification and partial characterization (1137) 155
Suga, T., see Yamada, J. (1137) 231
Suzuki, S., see Sawabe, Y. (1137) 274

Tengholm, A., McClenaghan, N., Grapengiesser, E., Gylfe, E. and Hellman, B.
Glycine transformation of Ca^{2+} oscillations into a sustained increase parallels potentiation of insulin release (1137) 243
Tepikin, A.V. and Petersen, O.H.
Mechanisms of cellular calcium oscillations in secretory cells (1137) 197
Thomas, N.S.B., see Bybee, A. (1137) 73
Thomassin, H., Ménard, L., Hengartner, C., Kirkland, J.B. and Poirier, G.G.
Poly(ADP-ribosyl)ation of chromatin in an in-vitro poly(ADP-ribose)-turnover system (1137) 171
Torriglia, A. and Blanquet, P.R.
Purification of an active receptor for acidic and basic fibroblast growth factor from bovine retina (1137) 215
Trón, L., see Gáspár, Jr., R. (1137) 143

Ueki, N., Nakazato, M., Ohkawa, T., Ikeda, T., Amuro, Y., Hada, T. and Higashino, K.
Excessive production of transforming growth-factor β1 can play an important role in the development of tumorigenesis by its action for angiogenesis: validity of neutralizing antibodies to block tumor growth (1137) 189
Urano, T., see Shimokawa, M. (1137) 317

Valette, A., see Guerrin, M. (1137) 116
Van Heyningen, S., see Colville, C.A. (1137) 264
Vyoral, D., Hradilek, A. and Neuwirt, J.
Transferrin and iron distribution in subcellular fractions of K562 cells in the early stages of transferrin endocytosis (1137) 148

Weintraut, H., see Ahlemeyer, B. (1137) 135

Xu, B.H., see Singh, S.V. (1137) 257

Yaga, K., see Richardson, B.A. (1137) 59
Yamada, J., Sakuma, M. and Suga, T.
Induction of peroxisomal β-oxidation enzymes by dehydroepiandrosterone and its sulfate in primary cultures of rat hepatocytes (1137) 231
Yee, S.-P., see Meckling-Gill, K.A. (1137) 65
Yoshida, H., Koga, Y., Nakamura, K., Kimura, G. and Nomoto, K.
A lymphocyte-specific protein tyrosine kinase, $p56^{lck}$, regulates the PMA-induced internalization of CD4 (1137) 321

Zannetti, A., see Baldini, P.M. (1137) 208
Zimmerman, U.-J.P., Speicher, D.W. and Fisher, A.B.
Secretagogue-induced proteolysis of lung spectrin in alveolar epithelial type II cells (1137) 127